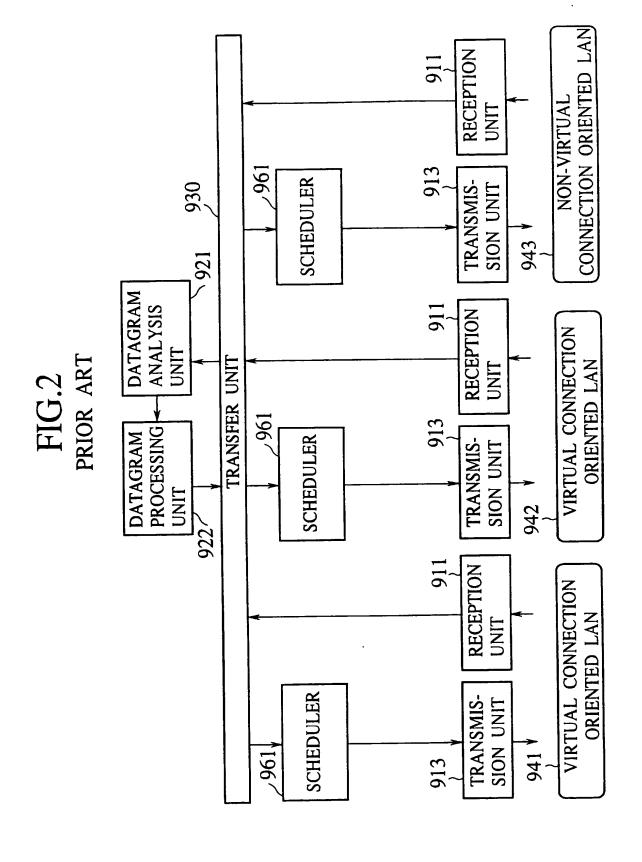
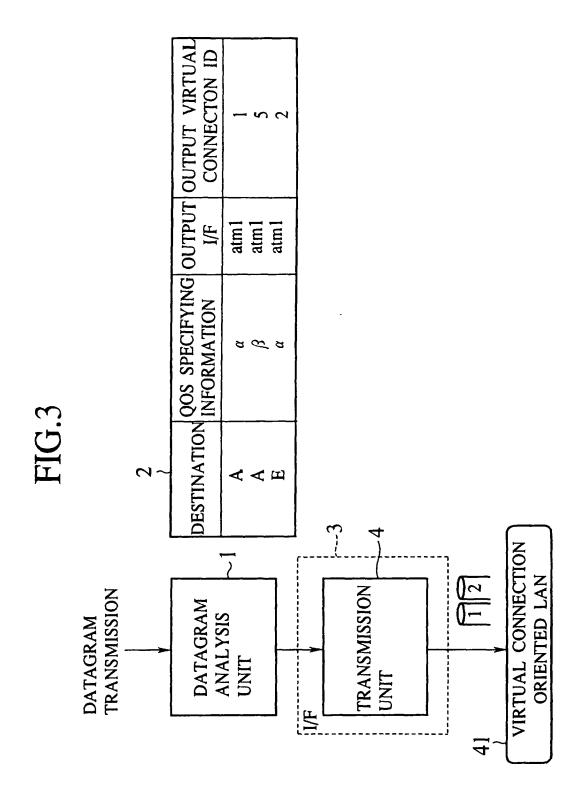


OBLON, SPIVAK, ET AL DOCKET #: 226310US-6RE INV: KENICHI NAGAMI ET AL. SHEET 2 OF 17





OBLON, SPIVAK, ET AL DOCKET #: 226310US-6RE INV: KENICHI NAGAMI ET AL. SHEET 4 OF 17

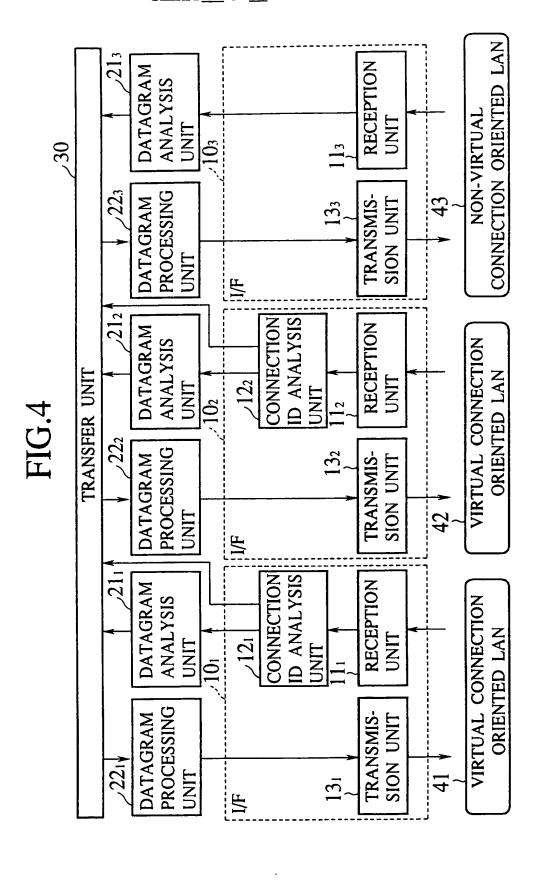


FIG.5

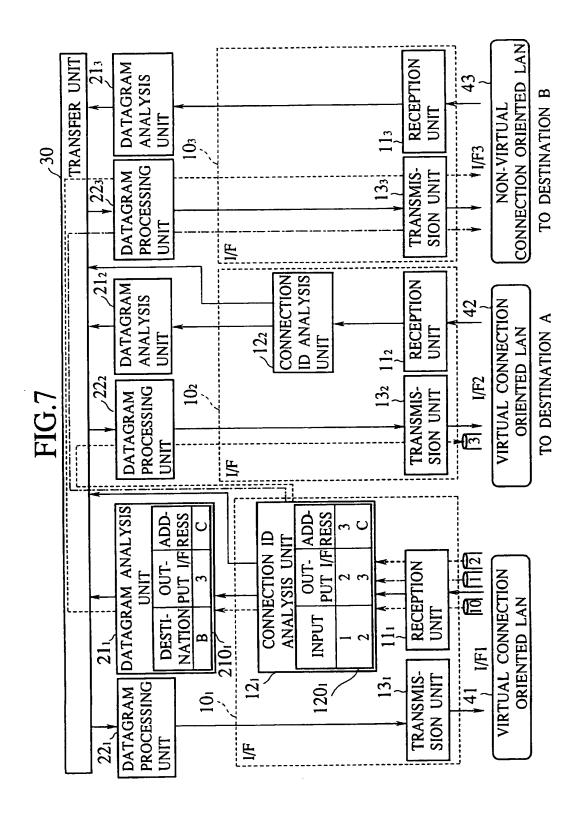
21

| DATAGRAM ANALYSIS UNIT 210 ROUTING TABLE | | | | |
|---|---------------|--|--|--|
| DESTINATION ADDRESS (DESTINATION) | OUTPUT I/F | NEXT HOP NETWORK LAYER ADDRESS OR OUTPUT VIRTUAL CONNECTION ID (ADDRESS) | | |
| | | | | |

FIG.6

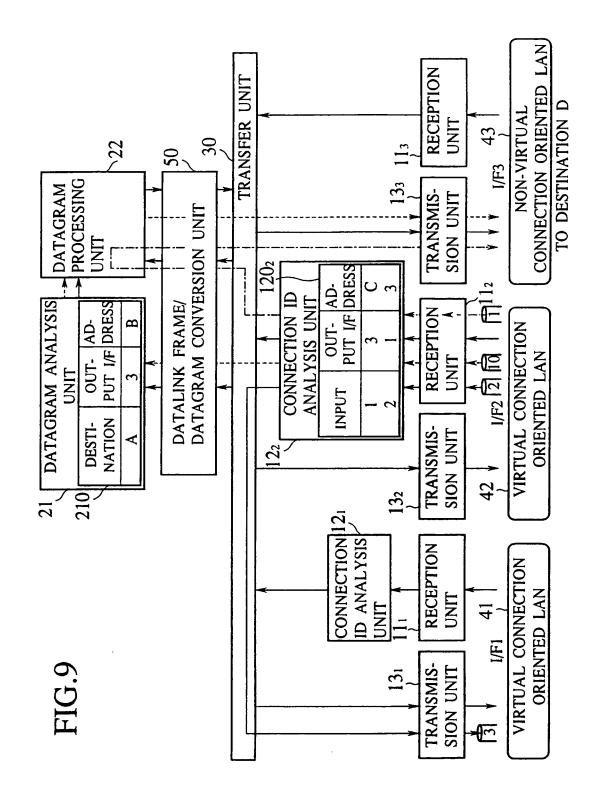
12

| CONNECTION ID | • | S UNIT ER TABLE |
|-----------------------------------|---------------|--|
| INPUT CONNECTION ID (INPUT) | OUTPUT I/F | NEXT HOP NETWORK LAYER ADDRESS OR OUTPUT VIRTUAL CONNECTION ID (ADDRESS) |
| | | |



CONNECTION ORIENTED LAN RECEPTION LIND 43 TO DESTINATION D NON-VIRTUAL UNIT TRANSFER 30 **\22** I/F3 133 **PROCESSING DATAGRAM** TRANSMIS-SION UNIT UNIT [. 120_{2} PUT I/F DRESS **E** C OUT- AD-CONNECTION ID ANALYSIS UNIT DATAGRAM ANALYSIS NATION | PUT I/F | DRESS RECEPTION AD-VIRTUAL CONNECTION m ORIENTED LAN OUT-UNIT LIND INPUT I/F2 DESTI-TRANSMIS-SION UNIT 122 45 132 CONNECTION ID ANALYSIS RECEPTION VIRTUAL CONNECTION ORIENTED LAN UNIT LING I/F1 TRANSMIS-SION UNIT 131 41

FIG.8



CONNECTION ORIENTED LAN RECEPTION NON-VIRTUAL UNIT ,613 SCHEDULER 43 133 SION UNIT **TRANSMIS** 30 見月月 **\22** 602 **PROCESSING** SCHEDULER ID ANALYSIS **DATAGRAM** CONNECTION RECEPTION Щ VIRTUAL CONNECTION 知用 TRANSFER UNIT ORIENTED LAN UNIT LIND UNIT 12 122 612 SCHEDULER 132 TRANSMIS-SION UNIT **DATAGRAM** 月月月 **ANALYSIS** 42 LINI CONNECTION 12 21 9 SCHEDULER ID ANALYSIS RECEPTION Щ VIRTUAL CONNECTION 知用 ORIENTED LAN UNIT UNIT SCHEDULER **TRANSMIS-**SION UNIT 月月月 41 13_1

FIG.10

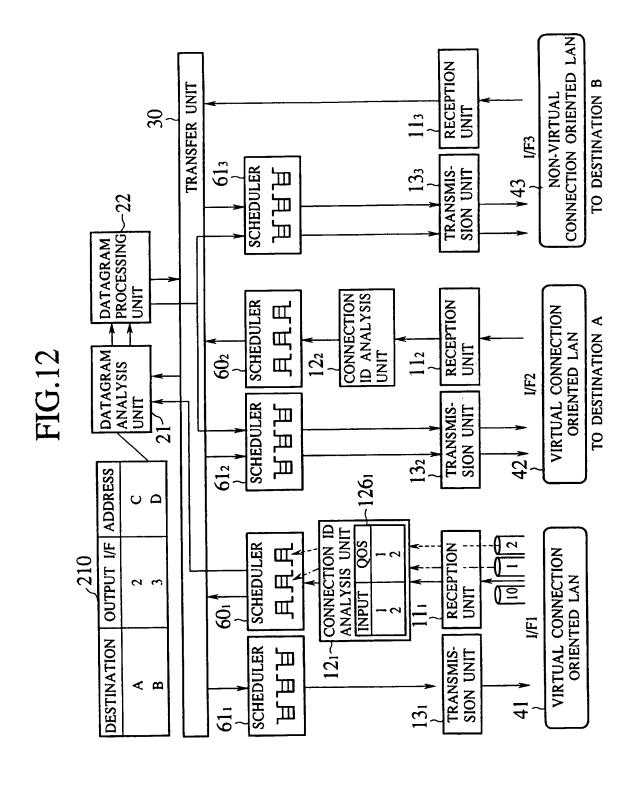
OBLON, SPIVAK, ET AL DOCKET #: 226310US-6RE INV: KENICHI NAGAMI ET AL. SHEET 10 OF 17

FIG.11

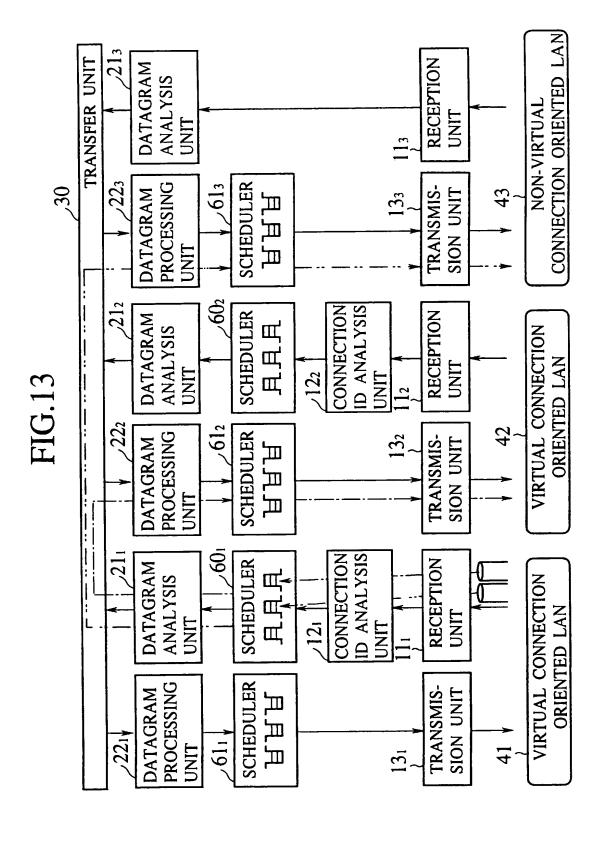
CONNECTION ID ANALYSIS UNIT

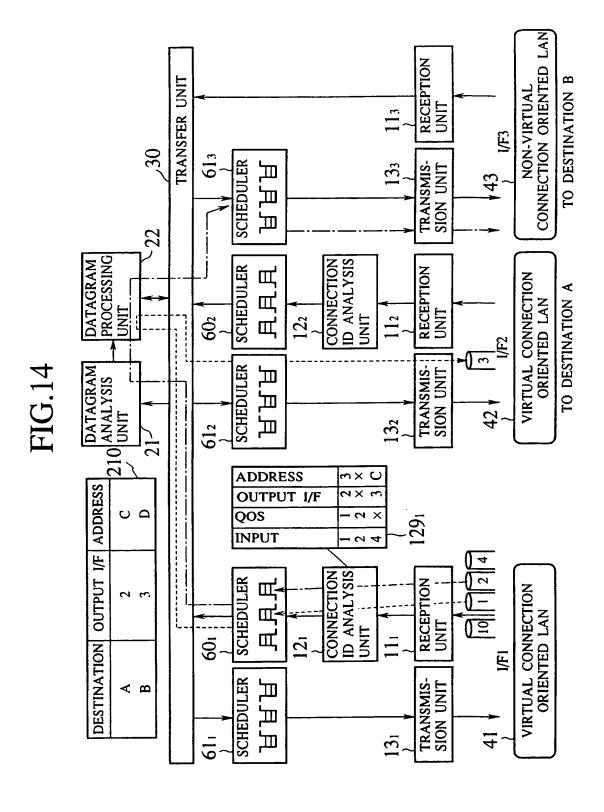
126
QOS TABLE

INPUT CONNECTION ID QUALITY OF SERVICE
(INPUT) (QOS)



OBLON, SPIVAK, ET AL DOCKET #: 226310US-6RE INV: KENICHI NAGAMI ET AL. SHEET 12 OF 17

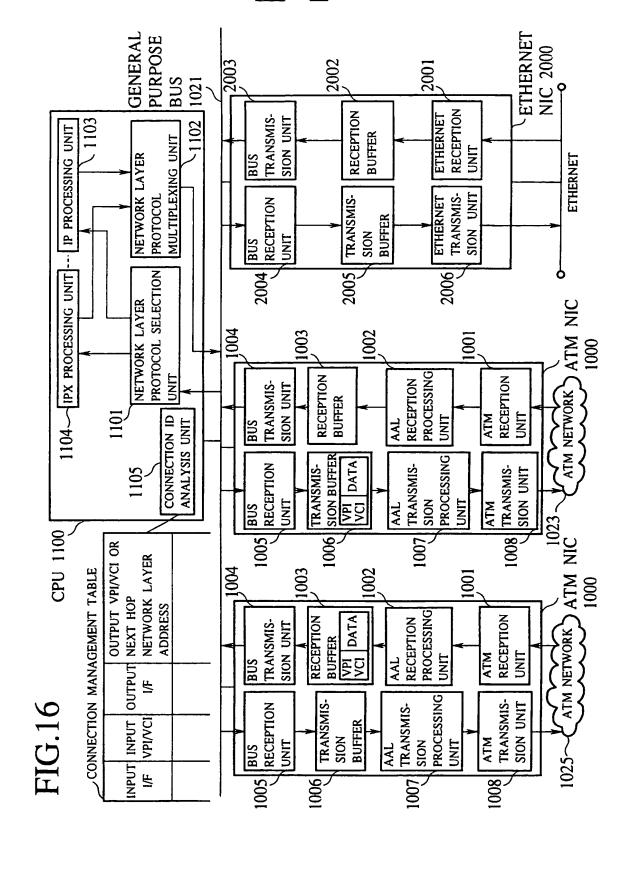


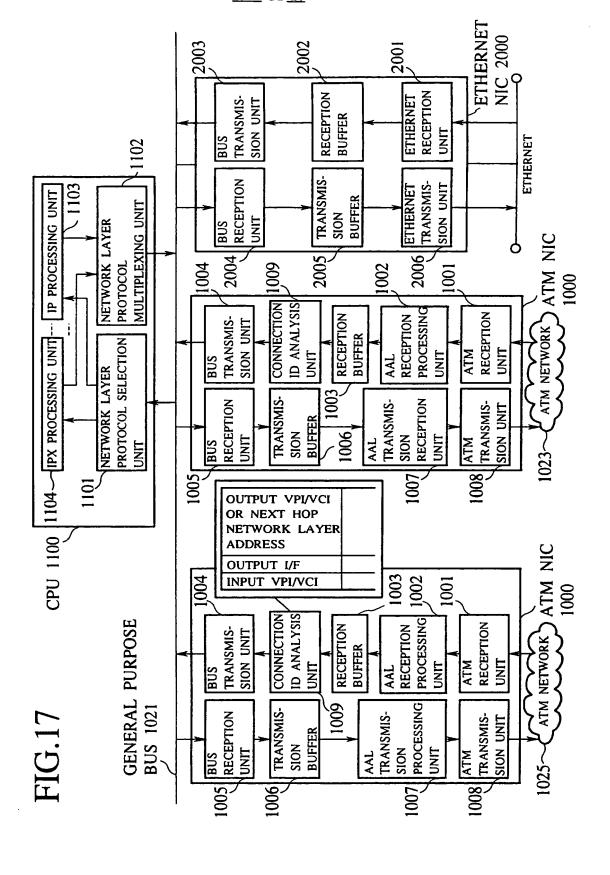


CONNECTION ORIENTED LAN RECEPTION DATAGRAM ANALYSIS UNIT TO DESTINATION B NON-VIRTUAL UNIT TRANSFER UNIT 61_3 43 **PROCESSING** SCHEDULER 且 DATAGRAM **TRANSMIS-**SION UNIT 且 LIND 33 耳 ID ANALYSIS UNIT CONNECTION RECEPTION UNIT SCHEDULER DATAGRAM Щ VIRTUAL CONNECTION ORIENTED LAN ANALYSIS UNIT TO DESTINATION A Щ 11_2 602 5^{2} 耳 **PROCESSING** 612 TRANSMIS-SION UNIT DATAGRAM SCHEDULER 且 **-()** ~ 五丘 CNIT 1291 32 ADDRESS mΧ Ö NX OUTPUT I/F **ADDRESS** ပ OUTPUT I/F QOS 2 ٠٠. INPUT DESTINATION B A · 0 4 4 ID ANALYSIS UNIT CONNECTION N SCHEDULER DATAGRAM RECEPTION VIRTUAL CONNECTION ANALYSIS UNIT 氓 ORIENTED LAN (S UNIT . 109 2 Щ **IFI PROCESSING DATAGRAM** 耳 SCHEDULER TRANSMIS-SION UNIT 耳 LIND 口 4 3

FIG.15

OBLON, SPIVAK, ET AL DOCKET #: 226310US-6RE INV: KENICHI NAGAMI ET AL. SHEET <u>15</u> OF <u>17</u>





OBLON, SPIVAK, ET AL DOCKET #: 226310US-6RE INV: KENICHI NAGAMI ET AL. SHEET <u>17</u> OF <u>17</u>

FIG.18

